

- 12V or 24V Versions Available
- Trigger from 0V, 12V/24V, TTL (5V), PNP and NPN signals
- DIN Rail Mountable
- Blue LED Indicates Relay ON status
- Reverse polarity protected
- Switch up to 5A at up to 50V
- SSR Types now Available

The Ocean Controls Relay Cards are designed to allow easy integration of relays to existing hardware. The input triggers can be either high or low for each relay and can operate with 0V, 12V/24V, TTL (5V), PNP and NPN signals.

LO input triggers will activate the relay from 0V-0.8V or NPN signals. HI input triggers will activate the relay from 2.4V-12V (or 24V for 24V version) or with a PNP signal.

Each card has 8 relays which can be split up in pairs to make cards of 2, 4 or 6 relays, each being DIN Mountable. Current consumption is approx 4mA per relay pair plus 30mA per relay when ON. ie: An 8 relay card with all the relays active will draw a maximum current of  $4 \times 4\text{mA} + 8 \times 30\text{mA} = \text{Approx } 250\text{mA}$

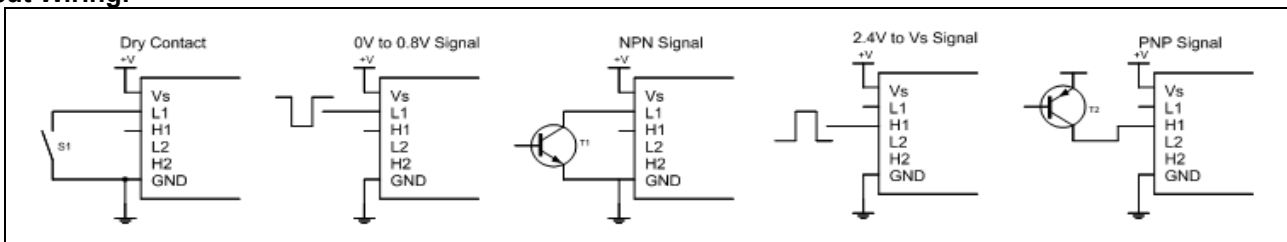
### Connections:

Vs	+12V or +24V Power Connection
L1	Relay 1 LO Input
H1	Relay 1 HI Input
L2	Relay 2 LO Input
H2	Relay 2 HI Input
GND	Common Ground Connection

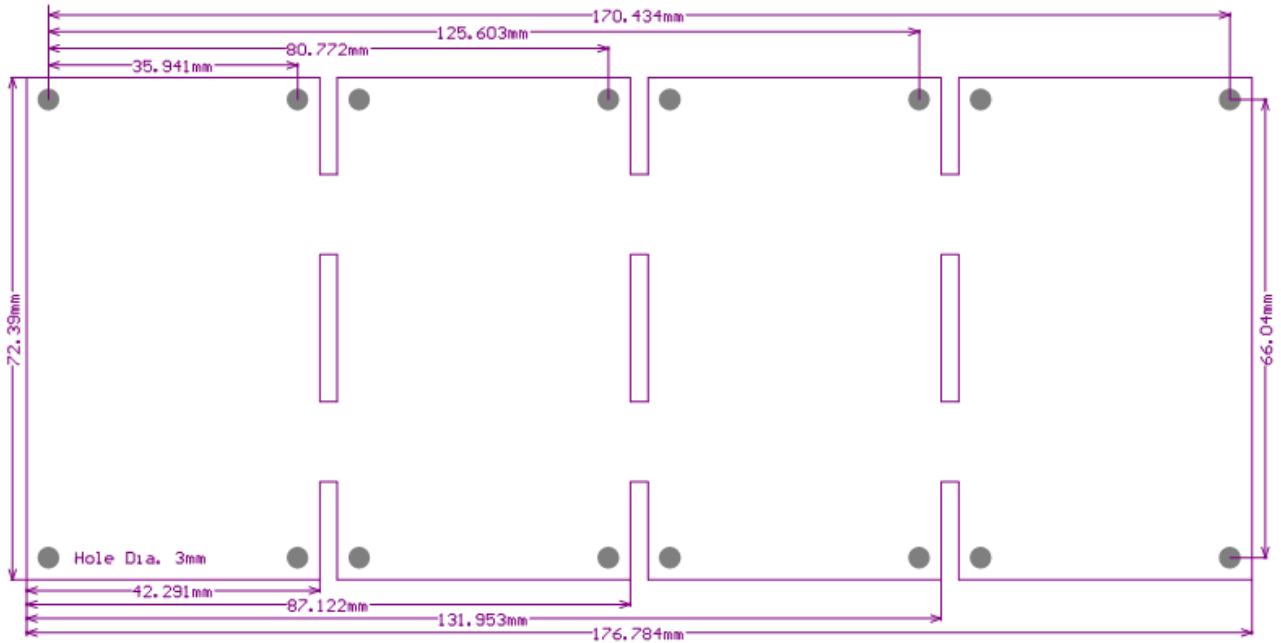
NC1	Relay 1 Normally Closed Connection
C1	Relay 1 Common Connection
NO1	Relay 1 Normally Open Connection
NC2	Relay 2 Normally Closed Connection
C2	Relay 2 Common Connection
NO2	Relay 2 Normally Open Connection

Connections are repeated for multiple relay cards. Only one power connection needs to be made for 4, 6 and 8 relay cards.

### Input Wiring:



**RLC Screw Mounting Dimensions:**



All RLC Height 20mm

**RLD DIN Rail Sizes:**

Type	Length	Width	Height
RLD-xx2	46mm	78mm	41mm
RLD-xx4	91mm	78mm	41mm
RLD-xx6	137mm	78mm	41mm
RLD-xx8	182mm	78mm	41mm

**Selection Guide:**

# RLD-128

- 2: 2 Relays
- 4: 4 Relays
- 6: 6 Relays
- 8: 8 Relays

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- 12: 12V Powered
- 24: 24V Powered

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- C: Card (Screw Mounting)
- D: DIN Mounting

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- L: Standard Relays 15mm x 20mm (12V or 24V)
- M: Telecoms Relays (12V Only)
- N: DC Solid State Relays (12V Only)
- O: AC Zero Crossing Solid State Relays (12V Only)
- P: Plug-In Relays (12V or 24V)
- X: Custom (Call with your Requirements)